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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2008

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**1170.00**

Complete if Known

Application Number	10/695,667-Conf. #4456
Filing Date	October 27, 2003
First Named Inventor	Paul J. Maddon
Examiner Name	S. L. Rawlings
Art Unit	1643
Attorney Docket No.	P0741.70006US00

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☒ Deposit Account Deposit Account Number: 23/2825 Deposit Account Name: Wolf, Greenfield & Sacks, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	210	105
Multiple dependent claims	370	185

Total Claims Extra Claims **Fee (\$)** Fee Paid (\$) **Multiple Dependent Claims**
 - 20 = x = Fee (\$) Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims **Fee (\$)** Fee Paid (\$)
 - 3 = x = Fee (\$)

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
 - 100 = 150 = 1 (round up to a whole number) x Fee (\$) = Fee Paid (\$)

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)
 Other (e.g., late filing surcharge): 2453 Petition to revive unintentionally abandoned ... 770.00
 1462 Petition to expedite 400.00

SUBMITTED BY

Signature Janice A. Vatland Registration No. **52,318** Telephone **(617) 646-8000**
 Name (Print/Type) **Janice A. Vatland, Ph.D.** Date **January 31, 2008**

Certificate of Express Mailing Under 37 CFR 1.10

Express Mail Label No. EM025461768US

Dated: January 31, 2008



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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/695,667-Conf. #4456

Filing Date

October 27, 2003

First Named Inventor

Paul J. Maddon

Art Unit

1643

Examiner Name

S. L. Rawlings

Attorney Docket Number

P0741.70006US00

ENCLOSURES (Check all that apply)☒ Fee Transmittal Form☒ Fee Attached☒ Amendment/Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts under
37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation,
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication
to TC☐ Appeal Communication to Board of
Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please
Identify below):Substitute Sequence Listing; Computer
Readable Form; Substitute Statement
under 37 CFR 1.825(a) and (b); Petition
to Revive Unintentionally Abandoned
Application; Petition to Expedite; Copy
of Notice to Comply; Return Receipt
Postcard

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

WOLF, GREENFIELD & SACKS, P.C.

Signature

Printed name

Janice A. Vatland, Ph.D.

Date

January 31, 2008

Reg. No.

52,318

Certificate of Express Mailing Under 37 CFR 1.10

Express Mail Label No.: EM025461768US

Dated: January 31, 2008



UNITED STATES PATENT AND TRADEMARK OFFICE



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/695,667

10/27/2003

Paul J. Maddon

P0741.70006US00

4456

7590
Janice A. Vatland
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210

11/15/2007

EXAMINER

RAWLINGS, STEPHEN L

ART UNIT

PAPER NUMBER

1643

MAIL DATE

DELIVERY MODE

11/15/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

RECEIVED
Wolf, Greenfield & Sacks, P.C.

NOV 19 2007

Docketed ☒ Already Docketed
Not Required ☐
Initials 1st *AV* 2nd *AV*



UNITED STATES DEPARTMENT OF COMMERCE
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Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10695667	10/27/03	MADDON ET AL.	P0741.70006US00

Janice A. Vatland
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210

EXAMINER

Stephen L. Rawlings, Ph.D.

ART UNIT	PAPER
1643	20071106

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The communication filed on August 16, 2007, is not fully responsive to the Office communication mailed February 16, 2007, for the reason(s) set forth on the attached Notice to Comply With the Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

In particular, as noted at page 4 of the Office action mailed February 16, 2007, the nucleic acid and amino acid sequences depicted in Figure 13 were not identified by sequence identification numbers, either in the figure or in the brief description of figure at page 18. The amendment filed August 16, 2007, amends the brief description of Figure 13 to recite a reference to SEQ ID NOs: 34-37, all of which are nucleotide sequences. None of these identify the amino acid sequences that are depicted in the figure. Accordingly, the amendment filed is not fully responsive to the prior Office action; and Applicant must now provide appropriate amendments to the specification or drawings, inserting the required sequence identifiers. Again, sequence identifiers for sequences appearing in the drawings may appear in the drawings or in the brief description of the drawings.

If a complete reply has not been submitted by the time the period set in the Office communication mailed February 16, 2007, has expired, this application will become abandoned under 37 CFR 1.821(g) unless applicant corrects the deficiency and obtains an extension of time under 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen L. Rawlings, Ph.D. whose telephone number is (571) 272-0836. The examiner can normally be reached on Monday-Friday, 8:30AM-5:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms, Ph.D. can be reached on (571) 272-0832.

/Stephen L. Rawlings/
Stephen L. Rawlings, Ph.D.
Primary Examiner
Art Unit 1643



Notice to Comply

Application No.	Applicant(s)	
10/695,667	MADDON ET AL.	
Examiner	Art Unit	
Stephen L. Rawlings, Ph.D.	1643	

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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